Customer Care Solutions
NPL-3 Series Transceivers

NPL-3 Disassembly and Assembly Instructions

Issue 1 3/03
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Disassembling NPL-3

NOTE! Before you start

- Ensure that you are connected to the ESD wristband

NOTE! While disassembling/assembling the phone

- Use only the specified tools

- Be careful when handling sensitive components

- Avoid touching sensitive spring contacts connectors

- Protect the LCD with a foil whenever possible

1. Place the phone face down, press the Release Key and slide the battery cover downwards.

2. Flip gently the A-cover from down corner. Remove the A-cover.

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3. Remove the Keymat.

4. Spread the B-cover from both sides until snaps inside will release it.

5. Remove the B-cover.

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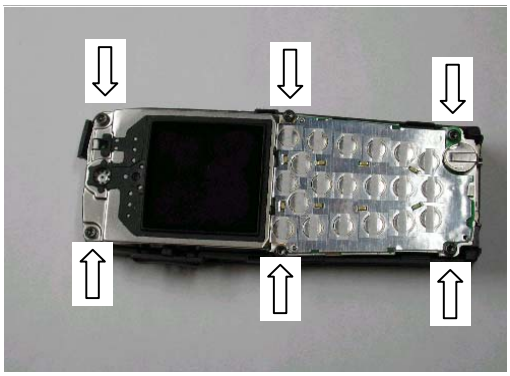
6. Remove the antenna

NOTE! Use only a specified opening tool, and be careful not to damage the mechanical parts.

Do not touch the antenna plate inside without gloves.

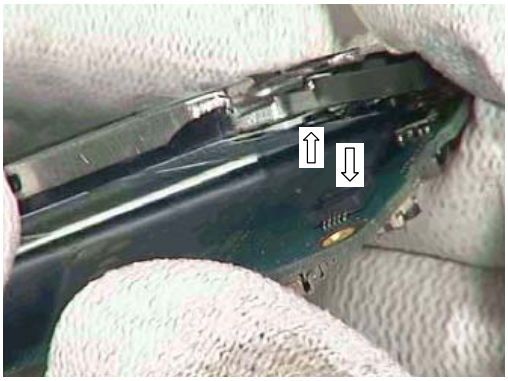


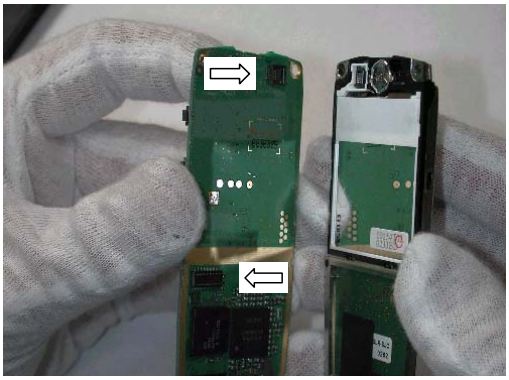
7. Remove the screws (6pcs) to get the module out from C-cover.

8. Remove the module out from the C-cover.

Note! Always use the specified tools.

9. Remove the UI module from the engine board.





NOTE! The UI module and the engine board are linked together by two board-to-board connectors. Be careful not to damage them.

10. Remove the microphone by pressing it from its edge, or take the tweezers between the frame and microphone and lift it out from the frame.

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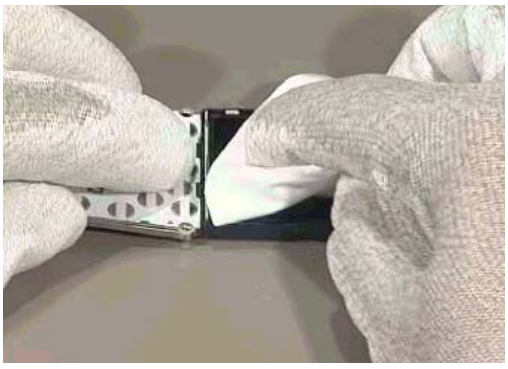
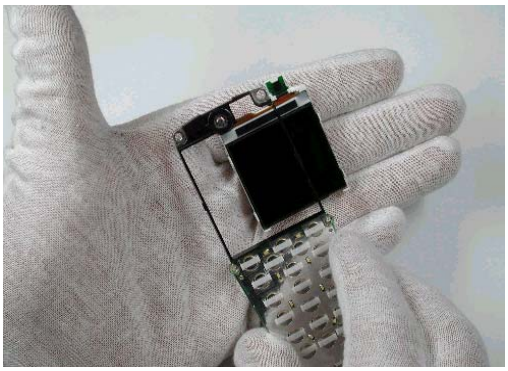
11. Remove the speaker by lifting it from the guiding pin.

NOTE! The speaker is attached into the frame by adhesive tape. Therefore, it may not loose easily.

12. To remove the Display shield, open the snaps from both sides by using the specified tool and remove the shield.

NOTE! Be careful not to damage the shield.

13. To remove the LCD Module, keep it on a table by using soft cloth, and flip the LCD frame gently until the LCD Module detaches.

NOTE! Be careful not to damage the sensitive parts. Do not press the LCD module.

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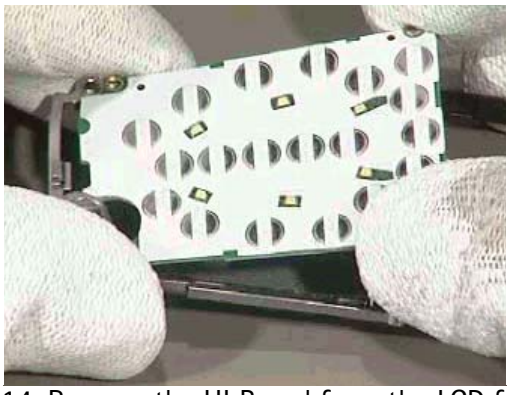

14. Remove the UI Board from the LCD frame.

NOTE! The UI Board is attached into the frame by adhesive tape. Therefore, it may not loose easily. Be careful not to damage the LCD Frame.

15. Remove the Volume Key and the Power Key.

16. Remove the Vibra by lifting it out of its place.

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17. Remove the DC Jack by lifting it out of its place

NOTE! Be careful not to damage the C-cover.

18. Lift the Release Spring by tweezers from its place

19. Remove the Release Key by pressing the snaps towards the center from inside.

DISASSEMBLING COMPLETED!

Assembling NPL-3

Reassembly takes place in reversed order compared with disassembly.

1. Press the Release Key downright into its place.

2. Put the Release Spring into its place.

3. Put the DC Jack into its place.

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4. Put the Vibra into its place.

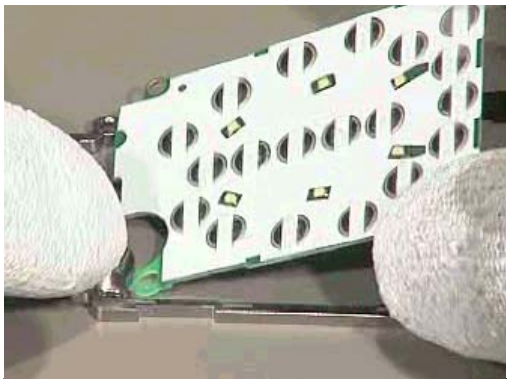
NOTE! Avoid touching the spring contacts.

5. Put the Volume Key into its place.

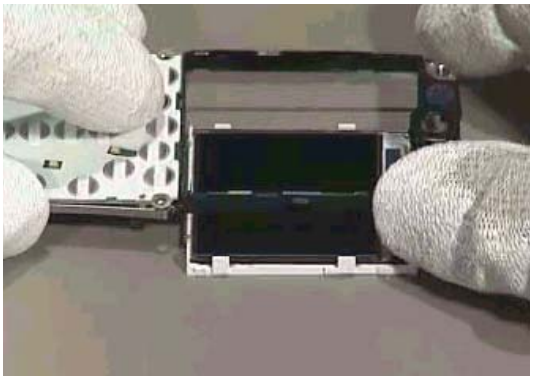
6. Put the Power Key into its place.

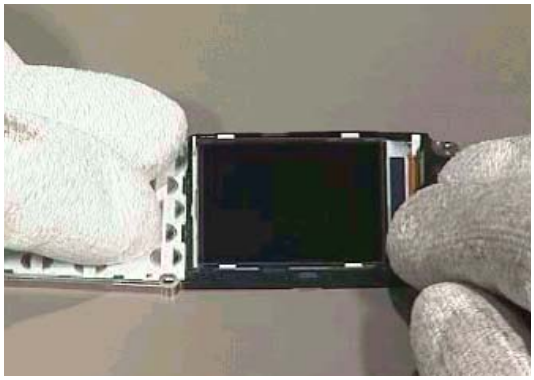
7. Put the Antenna into its place

NOTE! Do not touch the inside of the Antenna plate.



8. Put the UI Board into its place.



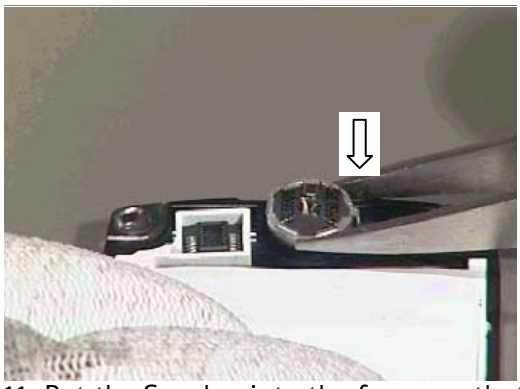


9. Place the LCD to the UI Frame.

NOTE! Do not press the LCD as it may damage.

10. Fit the Display Shield in its place.

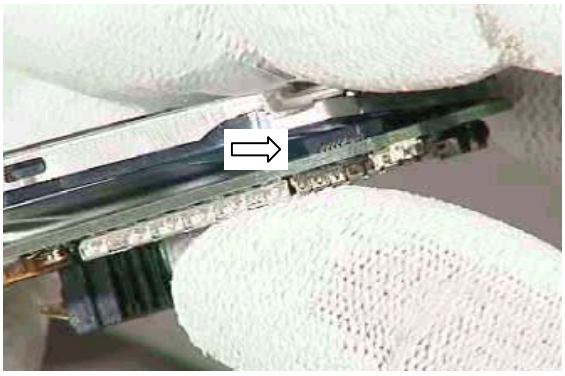
Make sure the shield is properly locked on both sides to the frame.



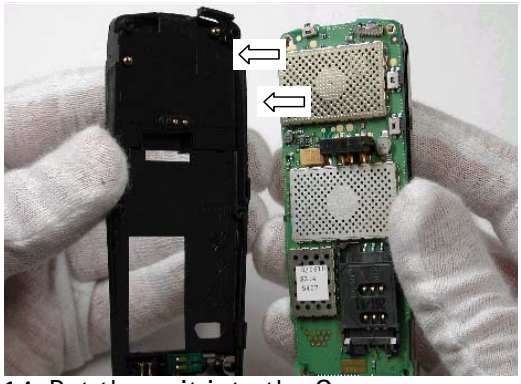
11. Put the Speaker into the frame so that the guiding pin goes into its place.

12. Put the Microphone into the frame.

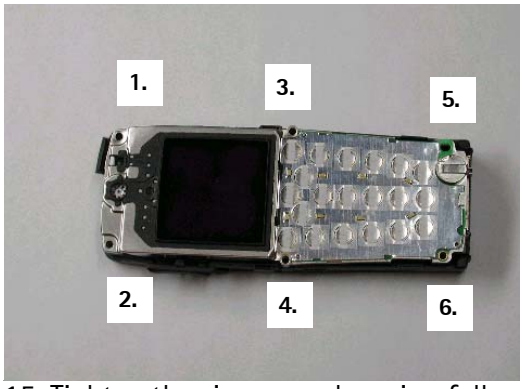
NOTE! Do not touch the spring contacts.



13. Place the UI Module and the engine together by closing the Display connector.



14. Put the unit into the C-cover.



15. Tighten the six screws by using following order.

NOTE! Set 20Ncm/650rpm to your Torque driver before tightening.

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16. Place the B-cover into its place. Make sure the snaps on both sides are locked to the module.

17. Place the Keymat into its place.

18. Place the A-cover into its place.

19. Slide the Battery cover into its place until the Release Key locks it.

ASSEMBLING COMPLETED!

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